
GPCR G2A Rabbit pAb

Catalog Number: bs-13508R

Target Protein: GPCR G2A

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human)

Predicted MW: 42 kDa

Entrez Gene: 29933

Swiss Prot: Q9UNW8

Source: KLH conjugated synthetic peptide derived from human G Protein Coupled Receptor G2A: 141-240/380.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: G2A (for G2 accumulation) is a seven transmembrane G protein-coupled receptor that is upregulated in response to DNA damage and stress (1). G2A is predominantly expressed in hematopoietic tissues and in hematopoietic stem cells, and it is more highly detected in pro-B cells, while lower expression is observed in immature B cells and pre-B cells (1,2). G2A is expressed throughout T cell maturation, and it is further increased in response to T-cell activation (3). Ectopic expression of a G2A fusion protein in NIH/3T3 fibroblasts induces a cell cycle arrest that is consistent with a block at the G2/M transition (1,4). G2A is also able to attenuate the proliferative effects of Bcr-Abl, a chimeric tyrosine kinase oncogene, suggesting that G2A possesses anti-oncogenic properties (5). The amino acid sequence of G2A contains a destruction box motif that is consistently observed in cyclins, where it is required for ubiquitination and proteolytic degradation (6).